Applicant(s)/Patent under Application/Control No. **Index of Claims** Reexamination 10/536,514 BAUMANN ET AL. Examiner Art Unit 1752 Cynthia Hamilton (Through numeral) Cancelled Rejected Non-Elected **Appeal** N Α 0 Restricted Interference Objected Allowed Claim Date Claim Date Claim Date

| Cli          | aim   | Date  |                   |          |          |  | ] ] | Cla         | im       | Date     |                 |          |          |        |              |                  | Claim    |            |                 | Date     |              |          |          |          |         |         |
|--------------|---|---|-------------------|----------|----------|--|-----|-------------|----------|----------|-----------------|----------|----------|--------|--------------|------------------|----------|------------|-----------------|----------|--------------|----------|----------|----------|---------|---------|
| Final        | Original <b>4/3/06</b>                            |   |                   |          |          |  |     | Final       | Original |          |                 |          |          |        |              |                  | Final    | Original   |                 |          |              |          |          |          |         |         |
|              | 1   |   |                   |          | П        |  | 1 [ |             | 51       |          | П               |          |          |        |              |                  |          | 101        | П               |          | П            | П        | Т        |          | T       |         |
|              | 2   |   |                   | $\top$   | $\Box$   |  | 1 1 |             | 52       |          |                 | 十        | T        | $\top$ |              | П                |          | 102        |                 |          |              | T        | T        |          | 1       |         |
|              | 1   |   |                   | $\top$   | 1 1      | $\top$   | 1 1 |             | 53       | _        | $\Box$          | 十        | ┪        |        | П            |                  |          | 103        |                 | $\neg$   | T            | T        | T        | $\dashv$ | $\top$  | $\top$  |
| <b>—</b>     | 1-1   |   | 1 1               | +        | 1 1      |  | 1 1 |             | 54       | - †      |                 | _        | ╅        | +      | $\vdash$     | П                |          | 104        |                 | 一        | 十            | +        | 寸        | 1        | $\top$  | $\top$  |
|              |   |   | $\vdash$          | +        | $\vdash$ | +-   | 1 1 |             | 55       | -        | $\vdash$        | 十        | $\top$   | 1      |              |                  |          | 105        | t               | 7        | 十            | 1        | 十        | 1        | 十       | $\top$  |
| -            | 16  |   | +                 |          | $\Box$   | <del>-</del>                                     | 1 1 |             | 56       |          |                 | _        | 十        | +-     |              | H                | <u> </u> | 106        | $\Box$          | $\neg$   | $\top$       | $\top$   | +        | $\dashv$ | +       | $\top$  |
| _            | <del>                                      </del> | <del>  -</del>                                    | + +               | +-       | +        |  | 1 1 |             | 57       |          | 1               | $\dashv$ | ╅        | +-     |              | H                | _        | 107        | $\vdash$        | $\dashv$ | +            | ╅        | $\top$   | $\dashv$ | +       | +       |
| -            | В   | ╁┼  | ++                | +        | $\Box$   | +  | 1 1 |             | 58       | +        | <del>   </del>  |          | +        | +      | +            | $\vdash$         | <u> </u> | 108        | 1               |          | +            | +        | -+       | +        | $\top$  | +       |
| -            | <b> </b>  |   | + +-              | +        | +        | $\dashv$   | 1 1 |             | 59       | $\dashv$ | $\vdash$        | +        | +        | +-     | ╁            | $\vdash$         | $\vdash$ | 109        | 1               | -        | +            | 十        | +        | +        | +       | +       |
|              | 0   | <del>                                     </del>  | + +-              | +-       | +        | +  | 1 } |             | 60       | +        | $\vdash$        | -        | +        | +      | ┼──          | $\vdash$         | $\vdash$ | 110        | 1               | -        | +            | +        | +        | +        | +       | +-      |
| -            | 1   | <del>  -  -</del>                                 | ╂╼╁               | +        | ╂        |  | ┨   |             | 61       | +        |                 | $\dashv$ | +        | +      | +-           | H                |          | 111        | ┨               |          | +            | ╌        | +        | $\dashv$ | +       | +       |
| ļ            |   | <del>                                     </del>  | ╁┼                | +        | ╂        | +  | ┨   |             | 62       |          | <del></del>     | $\dashv$ | ╁        | +-     | ╁            | $\vdash$         |          | 112        | -               | $\dashv$ | ╁            | ╅        | $\dashv$ | +        | +       | +       |
| -            | 12  | <del>                                     </del>  | ╂                 | +        | +        | -  | ┨   |             | 63       |          | $\vdash$        | +        | +        | +      | ۲,           | $\vdash$         | -        | 113        | -               |          | +            | $\dashv$ | -+       | +        | +       | +       |
|              | 13  |   | ++                |          | 1-1      | +  | ┨   |             | 64       |          |                 | +        | +        | +-     | $\vdash$     | Н                | -        | 114        | $\vdash$        | +        | +            | +        | +        | +        | +       | ┼┤      |
|              | 14  | ├   | ++                |          | ╂╾┤      | -  | ┥ } |             | 65       |          | $\vdash$        | $\dashv$ | +        | +      | $\vdash$     | <del>     </del> | $\vdash$ | 115        | $\vdash \vdash$ | $\dashv$ | +            | +        | +        | ╬        | +       | +       |
|              | 15  | <b>  </b>   | ++                | -        | -        | -  | 4 } |             |          |          | $\vdash$        |          |          | +      | ┼            | $\vdash$         | <u> </u> | 115        | $\vdash$        |          | +            | +        | -        | -        | +       | +-      |
|              | 16  | <del>-  </del>                                    | ++                | +        | +        |  | 4 } |             | 66       |          | $\sqcup$        | -+       | +        | +      | -            | H                | <u> </u> | 116        | $\vdash$        | +        | +            | +        | -        | +        | +       | +       |
| ļ            | 17  | <del>                                     </del>  | +                 |          | $\vdash$ | _  | 4 } |             | 67       |          | $\vdash$        |          | +        | -      | —            | $\vdash$         | <u> </u> | 117        |                 |          | +            | +        | +        | -        |         | +       |
| <u> </u>     | 1B  |   | +                 |          | $\perp$  |  | . I |             | 68       |          |                 | _        | _        |        | ļ            | $\sqcup$         |          | 118        | $\vdash$        |          | +            | 4        | +        | -        | -       | +       |
| <u> </u>     | 19  | oxdot   | $\bot \bot$       | $\perp$  |          |  | ↓ ↓ |             | 69       |          | $\sqcup$        |          | 4        | 4      | <u> </u>     | $\sqcup$         |          | 119        | 11              |          | 4            | 4        | $\dashv$ | +        | -       | +       |
|              | 20  | $\bot\bot$  | 11                |          | $\sqcup$ |  | Į   |             | 70       |          | $\sqcup$        | _        | _        |        | ļ            | $\sqcup$         | <u></u>  | 120        | L               |          | 4            | 4        | $\perp$  | +        | ┷       | +       |
|              | 21  | oxdot   |                   |          |          |  | ]   |             | 71       |          | Ш               |          | _        |        | _            | $\sqcup$         | <u></u>  | 121        | $\sqcup$        | $\perp$  |              | 4        | 4        | _        | $\perp$ | 1-1     |
|              | 22  |   |                   |          | Ш        |  | ] [ |             | 72       | _        | Ш               |          | $\perp$  |        | ↓_           | $\sqcup$         | ļ        | 122        |                 | _ _      | _            | _        | $\perp$  | $\perp$  |         | 44      |
|              | 23  |   |                   | i        |          |  | IJ  |             | 73       |          |                 | $\perp$  | $\perp$  |        | <u> </u>     |                  |          | 123        | Ш               |          | $\bot$       | $\perp$  | $\perp$  | $\perp$  | 丄       | Ш       |
| News         | 24  |   |                   |          |          |  | ] [ |             | 74       |          |                 |          |          |        |              | Ш                |          | 124        | Ш               | $\perp$  | $\perp$      | $\perp$  | $\perp$  |          | 丄       | $\perp$ |
| <b>NO.</b>   | 25  | <b>V</b>  |                   |          |          |  | ] [ |             | 75       |          |                 |          |          |        |              |                  |          | 125        |                 |          | ┙            | $\perp$  |          |          |         |         |
|              | 26  | V   |                   | Î        |          |  | 7   |             | 76       |          | П               |          |          | $\Box$ |              |                  |          | 126        |                 |          |              |          |          |          |         |         |
|              | 27  | 17  |                   |          | $\Box$   |  | 7   |             | 77       |          | П               |          |          |        |              |                  |          | 127        |                 |          |              |          |          |          |         |         |
|              | 28  | 1   | 11                |          | 1        |  | 1   |             | 78       |          |                 |          | Т        |        |              |                  |          | 128        | П               |          |              |          | П        |          |         |         |
|              | 29  | V   | 1 1               |          | 1 1      |  | 1 1 |             | 79       |          | П               | $\neg$   | Т        |        | T            |                  |          | 129        | П               |          |              | П        | П        |          | $\top$  |         |
|              | 30  | <b>V</b>  | T                 |          | $\Box$   |  | 1 1 |             | 80       |          |                 |          |          | Ť      | Т            | П                |          | 130        | П               | $\neg$   | Т            | $\neg$   | П        |          | Т       |         |
|              | 31  | V   | $\top$            | 十        | Ħ        |  | 1   |             | 81       |          |                 |          | T        |        | $\top$       | $\Box$           |          | 131        |                 |          | 1            | 1        | T        | $\neg$   | $\top$  |         |
|              | 32  | V   | $\dagger \dagger$ | +        | +        |  | 1   |             | 82       |          |                 |          | 1        |        |              |                  |          | 132        | 1 1             |          |              | П        | T        |          | $\top$  | $\Box$  |
|              | 33  | V   |                   | $\dashv$ | 1        |  | 1 1 |             | 83       |          | $\Box$          | 一十       | $\top$   | _      | T            | $\vdash$         |          | 133        |                 | $\neg$   | 7            | T        |          |          | T       | $\neg$  |
|              | 34  |   | +                 |          | +        |  | 1 1 |             | 84       |          |                 | 寸        | +        |        | $\dagger$    | $\Box$           |          | 134        |                 | $\neg$   | 7            | 寸        | $\neg$   | T        | $\top$  |         |
| <del> </del> | 35  | 8   | ++                | +-       | $\Box$   | $\vdash\vdash$                                   | 1   |             | 85       |          | П               | $\dashv$ | $\dashv$ | $\top$ | †            | $\Box$           |          | 135        | $\vdash$        | 十        | +            | ┪        | $\neg$   | T        | $\top$  |         |
| <u></u> ⊢    | 36  | V   | ++                | $\dashv$ | $\Box$   | $\vdash$   | 1   |             | 86       |          | $\Box$          | $\dashv$ | $\dashv$ |        | $\top$       | $\vdash$         |          | 136        | П               |          | $\top$       | 7        | $\neg$   | $\top$   | $\top$  | $\top$  |
| <u> </u>     | 37  | V   | +++               | +        | +        | $\vdash$   | 1   |             | 87       | _        | $\vdash \vdash$ | $\dashv$ | $\top$   | $\top$ | $\dagger$    | H                |          | 137        | $\vdash$        |          | +            | +        | _        | 十        | 十       | $\top$  |
| -            | 38  |   | +-+               | +        | -        | _  | 1   |             | 88       | $\dashv$ | $\vdash$        | $\dashv$ | $\dashv$ | +-     | ✝            | +-               | -        | 138        | $\vdash$        | $\dashv$ | +            | $\dashv$ | 十        | 十        | +       | +       |
| -            | 39  | 8   | +-+               | -        | +        |  | 1   |             | 89       |          | +               | 十        | +        | +      | +            | +-+              | -        | 139        | $\vdash$        | $\dashv$ | -+           | $\dashv$ | $\dashv$ | $\dashv$ | +       | $\top$  |
| <del> </del> | 40  | V.  | ++                | $\dashv$ | +        | $\vdash\vdash$                                   | -   |             | 90       | +        | $\vdash$        | $\dashv$ | +        | +      | +-           | $\vdash$         | $\vdash$ | 140        | $\vdash$        | -        | +            | 十        | $\dashv$ | +        | +       | 1-1     |
| $\vdash$     | 41  | 1   | +-+               | +        | +        |  | ┤   | <del></del> | 91       | $\vdash$ | $\vdash$        | $\dashv$ | ╅        | +-     | +            | H                | -        | 141        | Н               | $\vdash$ | $\dashv$     | $\dashv$ | 十        | $\dashv$ | +       | +       |
| <u> </u>     | 42  |   | +-+               | +        | +        | -  | 1   |             | 92       |          | +               | $\dashv$ | +        | +      | +-           | $\vdash$         | -        | 142        | $\vdash$        | -        | +            | $\dashv$ | $\dashv$ | $\dashv$ | +       | +       |
|              | 42  | 1   | +                 | +        | +        | -  | -   |             | 93       |          | +               | $\dashv$ | +        | +      | ╁            | $\vdash$         |          | 143        | $\vdash$        | -        | +            | -+       | $\dashv$ | +        | +       | +       |
| <u> </u>     | 44  | 17/   | ++                | +        | +        | $\vdash$   | +   |             | 94       |          | $\vdash$        | $\dashv$ | +        |        | +            | +                |          | 144        | $\vdash$        |          | +            | +        | $\dashv$ | +        | +       | +       |
| 4            |   | 14  | ┿┿                | +        | +        | $\vdash \vdash$                                  | -   | <u> </u>    |          | +        | $\vdash$        | +        | +        | +      | +            | $\vdash$         | -        | 144        | $\vdash$        | -        | +            | $\dashv$ | $\dashv$ | +        | +-      | +       |
|              | 45  | ₩.  | ++                | $\dashv$ | +        | <del>                                     </del> | -   | <b> </b> -  | 95       | $\vdash$ | 1-1             | -        | +        | +-     | +            | $\vdash$         | -        |            | +               | $\vdash$ | +            | +        | -+       | +        | +       | +       |
|              |   | 1   | 1 1               | - 1      | 1        | 1 I  | 1   |             | 96       |          | 1               | $\vdash$ | +        | +-     | +            | +-               | -        | 146<br>147 | +               | $\vdash$ | +            |          |          | +        | +       | +       |
| <u> </u>     |   | <del>                                      </del> | 1 1               | -        | 1        |  |     |             |          |          |                 |          |          |        |              |                  |          |            |                 |          |              |          |          |          |         |         |
|              | 47  |   | $\Box$            | 丁        |          |  |     | L           | 97       |          | Н               | $\dashv$ | 4        |        | ┼            | H                | <u> </u> |            | $\vdash$        | $\vdash$ | +            | -        | -        | +        | +       | +       |
|              | 47<br>48  |   |                   | +        |          |  |     |             | 98       |          |                 | $\dashv$ | ⇉        | _      | $^{\dagger}$ |                  |          | 148        |                 |          | $\downarrow$ | 4        |          | #        | 丰       |         |
|              | 47  |   |                   |          |          |  |     |             |          |          |                 |          |          |        |              |                  |          |            |                 |          |              |          |          | #        |         |         |